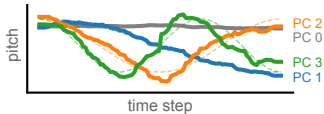


## 1. Observation

Principal components  
of melodies approximate cosines



## 2. Explanation

Toeplitz variance  
structure



## 3. Proposal

cosine contour representation:  
use the discrete cosine transform

